Welcome to STN International! Enter x:x

LOGINID:ssspta1611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

```
Welcome to STN International
NEWS
                 Web Page URLs for STN Seminar Schedule - N. America
NEWS
        Apr 08
                "Ask CAS" for self-help around the clock
                New e-mail delivery for search results now available
NEWS
     3 Jun 03
NEWS
     4 Aug 08
                PHARMAMarketLetter(PHARMAML) - new on STN
                Aquatic Toxicity Information Retrieval (AQUIRE)
NEWS 5 Aug 19
                now available on STN
NEWS
        Aug 26
                Sequence searching in REGISTRY enhanced
     7
NEWS
        Sep 03
                JAPIO has been reloaded and enhanced
NEWS 8
        Sep 16 Experimental properties added to the REGISTRY file
NEWS 9
        Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 10
        Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
        Oct 24 BEILSTEIN adds new search fields
NEWS 11
NEWS 12
        Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13
        Nov 18 DKILIT has been renamed APOLLIT
NEWS 14 Nov 25
                More calculated properties added to REGISTRY
NEWS 15
        Dec 04
                CSA files on STN
NEWS 16
        Dec 17
                PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17
        Dec 17
                TOXCENTER enhanced with additional content
NEWS 18
        Dec 17
                Adis Clinical Trials Insight now available on STN
NEWS 19
        Jan 29
                Simultaneous left and right truncation added to COMPENDEX,
                ENERGY, INSPEC
NEWS 20 Feb 13
                CANCERLIT is no longer being updated
NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFULL now contains images
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27 Mar 20 EVENTLINE will be removed from STN
NEWS 28 Mar 24 PATDPAFULL now available on STN
NEWS 29 Mar 24 Additional information for trade-named substances without
                structures available in REGISTRY
NEWS 30 Apr 11
                Display formats in DGENE enhanced
NEWS 31 Apr 14
                MEDLINE Reload
                Polymer searching in REGISTRY enhanced
NEWS 32 Apr 17
NEWS 33
                Indexing from 1947 to 1956 being added to records in CA/CAPLUS
        Apr 21
NEWS 34
                New current-awareness alert (SDI) frequency in
        Apr 21
                WPIDS/WPINDEX/WPIX
                RDISCLOSURE now available on STN
NEWS 35
        Apr 28
NEWS 36
        May 05
                Pharmacokinetic information and systematic chemical names
                added to PHAR
                MEDLINE file segment of TOXCENTER reloaded
NEWS 37
        May 15
NEWS 38
        May 15
                Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39
        May 16 CHEMREACT will be removed from STN
```

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

NEWS HOURS STN Operating Hours Plus Help Desk Availability

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NEWS LOGIN Welcome Banner and News Items

NEWS PHONE Direct Dial and Telecommunication Network Access to STN

NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 18:18:28 ON 18 MAY 2003

=> file reg COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 18:18:35 ON 18 MAY 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 MAY 2003 HIGHEST RN 517103-55-8 DICTIONARY FILE UPDATES: 16 MAY 2003 HIGHEST RN 517103-55-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2076

L1 SCREEN CREATED

09/910,431

=>

Uploading C:\STNEXP4\QUERIES\99104312.str

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

=> d 11

L1 HAS NO ANSWERS

SCR 2076

=> s 13 sss sam

SAMPLE SEARCH INITIATED 18:19:02 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 19 TO ITERATE

19 ITERATIONS 100.0% PROCESSED

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

0 ANSWERS

PROJECTED ITERATIONS:

119 TO 641 0 TO PROJECTED ANSWERS:

0 SEA SSS SAM L2 AND L1

=> s 13 sss ful

FULL SEARCH INITIATED 18:19:15 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 426 TO ITERATE

100.0% PROCESSED 426 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

0 SEA SSS FUL L2 AND L1

=> log y

COST IN U.S. DOLLARS SINCE FILE TOTAL

ENTRY SESSION 148.15 148.36 FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 18:19:25 ON 18 MAY 2003

Welcome to STN International! Enter x:x

LOGINID:ssspta1611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

Welcome to STN International NEWS 1 Web Page URLs for STN Seminar Schedule - N. America "Ask CAS" for self-help around the clock NEWS 2 Apr 08 NEWS 3 Jun 03 New e-mail delivery for search results now available NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced Sep 03 JAPIO has been reloaded and enhanced NEWS 7 NEWS 8 Sep 16 Experimental properties added to the REGISTRY file NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985 NEWS 11 Oct 24 BEILSTEIN adds new search fields NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN NEWS 13 Nov 18 DKILIT has been renamed APOLLIT NEWS 14 Nov 25 More calculated properties added to REGISTRY NEWS 15 Dec 04 CSA files on STN NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date NEWS 17 Dec 17 TOXCENTER enhanced with additional content NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC NEWS 20 Feb 13 CANCERLIT is no longer being updated NEWS 21 Feb 24 METADEX enhancements NEWS 22 Feb 24 PCTGEN now available on STN NEWS 23 Feb 24 TEMA now available on STN NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation NEWS 25 Feb 26 PCTFULL now contains images NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results NEWS 27 Mar 20 EVENTLINE will be removed from STN NEWS 28 Mar 24 PATDPAFULL now available on STN. NEWS 29 Mar 24 Additional information for trade-named substances without structures available in REGISTRY NEWS 30 Apr 11 Display formats in DGENE enhanced NEWS 31 Apr 14 MEDLINE Reload NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX NEWS 35 Apr 28 RDISCLOSURE now available on STN NEWS 36 May 05 Pharmacokinetic information and systematic chemical names added to PHAR NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated NEWS 39 May 16 CHEMREACT will be removed from STN

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FILE 'HOME' ENTERED AT 18:10:32 ON 18 MAY 2003

=> file reg
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 18:10:37 ON 18 MAY 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2003 American Chemical Society (ACS)

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=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> Uploading C:\STNEXP4\QUERIES\09910431hy.str

STRUCTURE UPLOADED L1

=> que L1

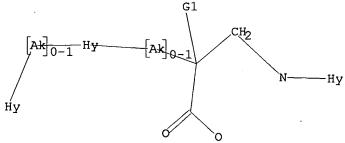
L2 QUE L1

=> d 11

L1 HAS NO ANSWERS

L1

STR



G1 H, Me

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss sam

SAMPLE SEARCH INITIATED 18:10:57 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 38599 TO ITERATE

2.6% PROCESSED 1000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) 0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

INCOMPLETE BATCH

PROJECTED ITERATIONS:

760285 TO 783675

PROJECTED ANSWERS:

0 TO

L3 0 SEA SSS SAM L1

=> log y

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 0.40 0.61

STN INTERNATIONAL LOGOFF AT 18:11:03 ON 18 MAY 2003

Welcome to STN International! Enter x:x

LOGINID:ssspta1611bxv

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

```
Welcome to STN International
NEWS
                Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08
                "Ask CAS" for self-help around the clock
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NEWS 6
        Aug 26
                Sequence searching in REGISTRY enhanced
        Sep 03
NEWS 7
                JAPIO has been reloaded and enhanced
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        Sep 16 Experimental properties added to the REGISTRY file
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        Dec 17
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NEWS 32 Apr 17
                Polymer searching in REGISTRY enhanced
NEWS 33 Apr 21
                Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34 Apr 21
                New current-awareness alert (SDI) frequency in
                WPIDS/WPINDEX/WPIX
NEWS 35
        Apr 28
                RDISCLOSURE now available on STN
NEWS 36 May 05
                Pharmacokinetic information and systematic chemical names
                added to PHAR
NEWS 37
        May 15
                MEDLINE file segment of TOXCENTER reloaded
NEWS 38
        May 15
                Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
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COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

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=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2076

L1 SCREEN CREATED

09/910,431

=>

Uploading C:\STNEXP4\QUERIES\99104312.str

L2 STRUCTURE UPLOADED

=> que L2 AND L1

L3 QUE L2 AND L1

=> d 11

L1 HAS NO ANSWERS

SCR 2076

=> s 13 sss sam

SAMPLE SEARCH INITIATED 18:19:02 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 19 TO ITERATE

19 ITERATIONS 100.0% PROCESSED

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS:

119 TO 641

PROJECTED ANSWERS:

0 TO

0 SEA SSS SAM L2 AND L1

=> s 13 sss ful

FULL SEARCH INITIATED 18:19:15 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 426 TO ITERATE

100.0% PROCESSED 426 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

0 SEA SSS FUL L2 AND L1

=> log y

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION 148.15 148.36 FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 18:19:25 ON 18 MAY 2003

=>

Uploading 09778468 (amended).str

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STF

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss sam

SAMPLE SEARCH INITIATED 09:10:05 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS:

1 TO 80

PROJECTED ANSWERS: 0 TO

L2 0 SEA SSS SAM L1

=>

Uploading 09778468 (amended).str

L3 STRUCTURE UPLOADED

=> d 13

L3 HAS NO ANSWERS

L3

STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 13 sss sam

SAMPLE SEARCH INITIATED 09:11:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS:

8 TO 329

PROJECTED ANSWERS:

1 TO 80

INCOLCIED ANSHERS.

1 SEA SSS SAM L3

=>

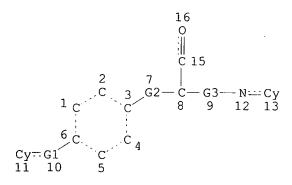
L4

Uploading 09778468 (amended).str

=> d que 14

L1

STR



REP G1 = (1-20) A REP G2=(0-15) C REP G3=(0-1) C NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM IS UNS AT 11 GGCAT GGCAT IS UNS AT 13 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE

L2SCR 1992 AND 2004 AND 1840

L3 SCR 963 OR 1051

L4279 SEA FILE=REGISTRY SSS FUL L1 AND L2 AND L3